

Mouse Monoclonal Antibody to GATA4

Catalogue Number	sAP-0301
Target Molecule	Name: GATA4 Aliases: MGC126629 MW: 46kDa Entrez Gene ID: 2626
Description	GATA binding protein 4, also known as GATA4, it is a 46 kDa member of the GATA family of zinc-finger transcription factors. Members of this family is involved in the development of cardiac hypertrophy and remodeling, and plays a critical role in regulating basal and agonist or stress induced gene expression in cardiac and smooth muscle cell types. These factors recognize the GATA motif which is present in the promoters of many genes. GATA4 contains a conserved MAPK phosphorylation site at serine 105 within the transcriptional activation domain. Serine 105 of GATA4 is phosphorylated in response to agonist stimulation through MEK 1 ERK1 / 2, and weakly through JNK or p38 MAPKs. GATA4 is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function. Mutations in this gene
Immunogen	Purified recombinant fragment of human GATA4 expressed in E. Coli.
Reactive Species	Human; Rat;
Clone	MM6H10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Mol Cell Cardiol. 2007 Dec;43(6):677-85.; 2. Mol Cell Biol. 2000 Oct;20(20):7550-8.; 3. EMBO J. 1997 Sep 15;16(18):5687-96.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**